

	ATTORNEY'S DKT NO. 002010-742	APPLICATION NO. 09/155,739
	APPLICANT Mary M. BENDIG <i>et al.</i>	
	FILING DATE September 11, 1998	GROUP 1644

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
RE	Supplementary European Search Report mailed January 23, 2009
1	Vito G. SASSEVILLE <i>et al.</i> , "Monocyte Adhesion to Endothelium in Simian Immunodeficiency Virus-Induced AIDS Encephalitis Is Mediated by Vascular Cell Adhesion Molecule-1/ $\alpha 4 \beta 1$ Integrin Interactions", American Journal of Pathology, 1994, pgs. 27-40, Vol. 144, No. 1, American Society for Investigative Pathology with the assistance of Stanford University Libraries' HighWire Press, Stanford, California, USA
	Marina PRETOLANI <i>et al.</i> , "Antibody to Very Late Activation Antigen 4 Prevents Antigen-Induced Bronchial Hyperreactivity and Cellular Infiltration in the Guinea Pig Airways", J. Exp. Med., 1994, pgs. 795-805, Vol. 180, No. 3, The Rockefeller University Press with the assistance of Stanford University Libraries' HighWire Press, Stanford, California, USA
	V.B. WEG <i>et al.</i> , "A Monoclonal Antibody Recognizing Very Late Activation Antigen-4 Inhibits Eosinophil Accumulation <i>In Vivo</i> ", J. Exp. Med., 1993, pgs. 561-566, Vol. 177, No. 2, The Rockefeller University Press with the assistance of Stanford University Libraries' HighWire Press, Stanford, California, USA
	L.C. PAUL <i>et al.</i> , "Monoclonal Antibodies Against LFA-1 and VLA-4 Inhibit Graft Vasculitis in Rat Cardiac Allografts", Transplantation Proceedings, 1993, pgs. 813-814, Vol. 25, No. 1, Pt. 1, Elsevier Science, Oxford, United Kingdom
	Patricia L. CHISHOLM <i>et al.</i> , "Monoclonal Antibodies to the Integrin $\alpha 4$ Subunit Inhibit the Murine Contact Hypersensitivity Response", Eur. J. Immunol., 1993, pgs. 682-688, Vol. 23, No. 3, VCH Verlagsgesellschaft mbH, Weinheim, Germany
	Daniel K. PODOLSKY <i>et al.</i> , "Attenuation of Colitis in the Cotton-Top Tamarin by Anti- $\alpha 4$ Integrin Monoclonal Antibody", J. Clin. Invest., 1993, pgs. 372-380, Vol. 92, No. 1, The American Society for Clinical Investigation, Inc. with the assistance of Stanford University Libraries' HighWire Press, Stanford, California, USA
	Kazuya TSUKAMOTO <i>et al.</i> , "Administration of Monoclonal Antibodies Against Vascular Cell Adhesion Molecule-1/Very Late Antigen-4 Abrogates Predisposing Autoimmune Diabetes in NOD Mice", Cellular Immunology, 1995, pgs. 193-201, Vol. 165, No. 2, Academic Press, Inc., Elsevier Science, Oxford, United Kingdom
PR	Myron I. CYBULSKY <i>et al.</i> , "Endothelial Expression of a Mononuclear Leukocyte Adhesion Molecule During Atherogenesis", Science, 1991, pgs. 788-791, Vol. 251, No. 4995, American Association for the Advancement of Science with the assistance of Stanford University Libraries' HighWire Press, Stanford, California, USA

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SHEET 1 OF 1

Substitute for forms 1449A/PTO & 1449B/PTO

FOURTH INFORMATION DISCLOSURE STATEMENT BY APPLICANT

ATTORNEY'S DKT NO.
034008-023

APPLICATION NO.
09/155,739

APPLICANT
Mary M. BENDIG et al.

FILING DATE
September 11, 1998

GROUP
1644

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation Yes	No

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
PG	ZEIDLER et al., "Therapeutic Effects of Antibodies Against Adhesion Molecules in Murine Collagen Type II-Induced Arthritis", <i>Autoimmunity</i> , 1995, pp. 245-252, vol. 21, Taylor & Francis Health Sciences, London, England
	BLUE et al., "Enhancement of CD-2 Mediated T Cell Activation by the Interaction of VLA-4 with Fibronectin", <i>Cellular Immunology</i> , 1991, pp. 238-244, vol. 138, Academic Press, Orlando, Florida.
	GARCÍA-VICUÑA et al., "VLA family in rheumatoid arthritis: evidence for <i>in vivo</i> regulated adhesion of synovial fluid T cells to fibronectin," <i>Clinical and Experimental Immunology</i> , 1992, pp. 435-441, vol. 88, Blackwell Scientific Publications, Oxford, England.
	ISSEKUTZ et al., "T Lymphocyte Migration to Arthritic Joints and Dermal Inflammation in the Rat: Differing Migration Patterns and the Involvement of VLA-4," <i>Clinical Immunology and Immunopathology</i> , 1991, pp. 436-447, vol. 61, Academic Press, Orlando, Florida.
	ISSEKUTZ et al., "Treatment of established adjuvant arthritis in rats with monoclonal antibody to CD18 and very late activation antigen-4 Ingegrins suppresses neutrophil and T-lymphocyte migration to the joints and improves clinical disease," <i>Immunology</i> , 1996, pp. 569-576, vol. 88, Blackwell Science Ltd., Oxford, England.
	ELICES et al., "Expression and Functional Significance of Alternatively Spliced CS1 Fibronectin in Rheumatoid Arthritis Microvasculature", <i>Journal of Clinical Investigation</i> , 1994, pp. 405-416, vol. 93, American Society for Clinical Investigation, New Haven, CT.
	MIYAKE et al., "β1 Integrin-mediated Interaction with Extracellular Matrix Proteins Regulates Cytokine Gene Expression in Synovial Fluid Cells of Rheumatoid Arthritis Patients," <i>Journal of Experimental Medicine</i> , 1993, pp. 863-868, vol. 177, Rockefeller Univ. Press, New York, New York.
	ISSEKUTZ et al., "Rat Blood Neutrophils Express Very Late Antigen 4 and it Mediates Migration to Arthritic Joint and Dermal Inflammation", <i>Journal of Experimental Medicine</i> , 1996, pp. 2175-2184, vol. 183, Rockefeller Univ. Press, New York, New York.

Examiner Signature	Plum PGmga w/4/03	Date Considered	
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**SECOND INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

ATTORNEY'S DKT NO.

002010-742

APPLICATION NO.

09/155,739

APPLICANT

Mary M. BENDIG *et al.*

FILING DATE

September 11, 1998

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U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

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FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation Yes No
	WO 94/16094	A2	PCT	07-21-1994	

NON PATENT LITERATURE DOCUMENTS

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PG	Olivier J.P. Léger et al. "Humanization of a mouse antibody against human alpha-4 integrin: A potential therapeutic for the treatment of multiple sclerosis," Human Antibodies, vol. 8(1), pp. 3-16 (1997).
PG	Frank KOLBINGER et al., "Humanization of a mouse anti-human IgE antibody: a potential therapeutic for IgE-mediated allergies," Protein Engineering, vol. 6(8), pp. 971-980 (1993).

Examiner Signature	Philip Gander 11/24/03	Date Considered	
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	APPLICANT Mary M. BENDIG et al.	
	FILING DATE September 11, 1998	GROUP 1644
	THIRD INFORMATION DISCLOSURE STATEMENT BY APPLICANT	

U.S. PATENT DOCUMENTS				
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

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Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation Yes No

NON PATENT LITERATURE DOCUMENTS	
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20	YEDNOCK et al., "Prevention of experimental autoimmune encephalomyelitis by antibodies against $\alpha 4 \beta 1$ integrin," Letters to Nature, vol. 3546, pp. 63-66 (1991).
	James S. GROBER et al., "Monocyte-Endothelial Adhesion in Chronic Rheumatoid Arthritis," J. Clin. Invest. vol. 91, pp. 2609-2619 (1993).
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	Bernhard HOLZMANN et al., "Identification of a Murine Peyer's Patch-Specific Lymphocyte Homing Receptor as an Integrin Molecule with an α Chain Homologous to Human VLA-4 α ," Cell vol. 56, pp. 37-46 (1989).
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	Paul P. TAK, "Expression of Adhesion Molecules in Early Rheumatoid Synovial Tissue," Clinical Immunology and Immunopathology vol. 77(3) pp. 236-242 (1995).
	Jo C W EDWARDS et al., "Vascular cell adhesion molecule 1 and $\alpha 4$ and $\beta 1$ integrins in lymphocyte aggregates in Sjögren's syndrome and rheumatoid arthritis," Annals of the Rheumatic Diseases vol. 52, pp. 806-811 (1993).
	ACHM van DINTHER-JANSSEN et al., "Role of the CS1 adhesion motif of fibronectin in T cell adhesion to synovial membrane and peripheral lymph node endothelium," Annals of the Rheumatic Diseases vol. 52, pp. 672-676 (1993).
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	Jeanette MORALES-DUCRET et al., "Vascular Cell Adhesion Molecule-1 Expression in Synovium and on Fibroblast-Like Synoviocytes," the Journal of Immunology vol. 194(4), pp. 1424-1431 (1993).
	Christopher W. MARLOR et al., "Rapid Communication Expression of Vascular Cell Adhesion Molecule-1 in Fibroblastlike Synoviocytes After Stimulation with Tumor Necrosis Factor," American Journal of Pathology vol. 140(5) pp. 1055-1059 (1992).
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	Ann C.H.M. van DINTHER-JANSSEN et al., "THE VLA-R/VCAM-1 PATHWAY IS INVOLVED IN LYMPHOCYTE ADHESION TO ENDOTHELIUM IN RHEUMATOID SYNOVIUM," The Journal of Immunology vol. 147(12) pp. 4207-4210 (1991).
10	Thomas B. ISEKUTZ et al., "T Lymphocyte Migration to Arthritic Joints and Dermal Inflammation in the Rat: Differing Migration Patterns and the Involvement of VLA-4," Clinical Immunology and Immunopathology vol. 61, pp. 436-447 (1991).

PHEUMATOLOGICAL H/24/03



SHEET 2 OF 2

Substitute for forms 1449A/PTO & 1449B/PTO THIRD INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTORNEY'S DKT NO. 002010-742	APPLICATION NO. 09/155,739
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MB	Armando LAFFON et al., "Unregulated Expression and Function of VLA-4 Fibronectin Receptors on Human activated T Cells in Rheumatoid Arthritis," J. Clin. Invest. vol. 88, pp. 546-552 (1991).

Examiner Signature	PHILIP GAMOZ 4/24/03	Date Considered	
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